

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/000012

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K14/22 A61K39/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | EP 1 297 844 A2 (HEALTH PROTECTION AGENCY)<br>2 April 2003 (2003-04-02)   | 5-8, 12               |
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| Y          | SARDINAS G ET AL: "Anti-PorA antibodies<br>elicited by immunization with peptides<br>conjugated to P64k"<br>BIOCHEMICAL AND BIOPHYSICAL RESEARCH<br>COMMUNICATIONS,<br>vol. 277, no. 1,<br>14 October 2000 (2000-10-14), pages 51-54,<br>XP002314670<br>ISSN: 0006-291X<br>the whole document | 1-12                  |
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|            | -/--  |                       |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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Date of the actual completion of the international search

24 January 2005

Date of mailing of the international search report

14/02/2005

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
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International Application No

PCY/ CU2004/000012

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
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| Y          | WO 01/91788 A1 (STATENS INSTITUTT FOR FOLKEHELSE; ROSENQVIST, EINAR; HARBAK, KARI; NOR) 6 December 2001 (2001-12-06)<br>the whole document  | 1-12                  |
| Y          | WO 01/09350 A2 (SMITHKLINE BEECHAM BIOLOGICALS S.A; BERTHET, FRANCOIS-XAVIER, JACQUES;) 8 February 2001 (2001-02-08)<br>the whole document  | 1-12                  |
| Y          | JIN ZHIGANG ET AL: "Preparation and characterization of group A meningococcal capsular polysaccharide conjugates and evaluation of their immunogenicity in mice." INFECTION AND IMMUNITY, vol. 71, no. 9, September 2003 (2003-09), pages 5115-5120, XP002314672<br>ISSN: 0019-9567<br>the whole document | 9, 10                 |
| A          | WO 00/25811 A2 (MICROBIOLOGICAL RESEARCH AUTHORITY CAMR ; ROBINSON, ANDREW; GORRINGE,) 11 May 2000 (2000-05-11)<br>the whole document   |                       |
| P,A        | WO 2004/019977 A2 (CHIRON SRL; PIZZA, MARIAGRAZIA; SERRUTO, DAVIDE; RAPPUOLI, RINI) 11 March 2004 (2004-03-11)<br>the whole document  |                       |

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International Application No

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| A  | <p>GUILLEN G ET AL: "Cloning and expression of the porA gene of the Neisseria meningitidis strain B:4:P1.15 in Escherichia coli preliminary characterization of the recombinant polypeptide"<br/>ACTA BIOTECHNOLOGICA,<br/>vol. 16, no. 2-3, 1996, pages 165-173,<br/>XP002314673<br/>ISSN: 0138-4988<br/>the whole document</p>                                       |                       |
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International application No.

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the International application and necessary to the claimed invention, the international search was carried out on the basis of:
  - a. type of material
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material
    - ☐ in written format
    - ☐ in computer readable form
  - c. time of filing/furnishing
    - ☐ contained in the International application as filed
    - ☐ filed together with the international application in computer readable form
    - ☐ furnished subsequently to this Authority for the purpose of search
2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

# INTERNATIONAL SEARCH REPORT

International Application No

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| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s)  | Publication<br>date      |
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International Application No  
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| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
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| WO 2004019977                             | A2                  | 11-03-2004                 | NONE                |

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